

Release 3.1A John F. Collins, Biocomputing Research Unit. Copyright (c) 1993-1998 University of Edinburgh, U.K. Distribution rights by Oxford Molecular Ltd

MPsrch_nn n.a. - n.a. database search, using Smith-Waterman algorithm

Run on: Tue Dec 28 20:54:56 1999; MasPar time 200.37 Seconds 1218.088 Million cell updates/sec

Tabular output not generated.

Title:

Description:
Perfect Score:
N.A. Sequence:
Comp: >US-09-327-230-1 (1-2822) from US09327230.seq 2822

1 gcaacgcacacagacaggca......ttccaggttttgggttttcggg 2822 cgttgcgtgtgtctgtccgt.....aaggtccaaacccaaagccc

Scoring table: TABLE default Gap 6

Nmatch STD: Dbase 0; Query 0

Searched: 165359 segs, 43243793 bases × 2

Post-processing:

Minimum Match 0% Listing first 45 summaries

Database:

n-issued 1:5A_COMB 2:5B_COMB 3:5C_COMB 4:PCT9_COMB 5:backfiles1

Statistics: Mean 9.317; Variance 4.821; scale 1.932

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

		c 14 c 15				מ כ			4	w	N	c 1	Result
		24											Score
000	0.0	0.9	0.9	0.9	0.9	0.9	1.1	1.1	1.1	1.4	2.1	2.9	% Query Match
69 74	0 0 0 0	2277	1200	105 1200	90	74 81	965	215	215	965	7218	7218	Length
4-1-4	ـر ـر	2 2 1	ωр	21	w 4	4 4	ω	ሥ	↦	ω	2	2	DB
US-08-471- US-08-471- PCT-US95-1	US-08-471- US-08-471-	US-08-676- US-08-471-	US-08-357-	US-07-865- US-08-672-	US-08-442-	PCT-US95-1	US-08-388-	US-08-238-	US-08-238-	US-08-388-	US-08-232-	US-08-232-	ID
Sequence 142, Applicat Sequence 142, Applicat Sequence 94, Applicat	144,	2,	ν'n.	Sequence 13, Applicati Sequence 2, Application	Sequence 30, Applicati	100,	22,	υ ,	Þ	`	Sequence 14, Applicati	Sequence 14, Applicati	Description
	22	221	N N			ים ת	u	2	۵		i 3.12e-24	i 7.12e-42	Pred. No.

		a	a		O	C	G	O	G			ი						ი		O			a		a
	45	44	43	42	41	40	39	38	37	36	u G	34	ω w	32	31	30	29	28	27	26	25	24	23	22	21
	23	22	22	22	22	23	23	23	23	23	23	23	23	23	22	22	23	23	23	22	22	23	23	23	22
	•	•	•	•	•	•		•				•	•	0.8	•		•	•	•	•	•				•
	5852	4383	4383	4286	2700	2679	2679	2679	2606	1954	1954	1881	1288	657	242	92	92	82	82	81	81	81	75	75	74
	Ц	ഗ	ហ	ω	H	ω	4	μ	ω	ш	ω	4	N	ب	Н	ω	ω	4	4	4	4	4	4	4	4
	US-07-867-	5175095-4	7730	US-08-249-	US-08-484-	US-08-458-	PCT-US91-0	US-07-977-	US-08-701-	US-08-097-	US-08-577-	PCT-US94-0	US-08-440-	US-08-412-	US-08-273-	US-08-353-	US-08-353-	-US95-	PCT-US95-1		PCT-US95-1	PCT-US95-1	PCT-US95-1	PCT-US95-1	PCT-US95-1
,	ce 2	Patent No.5175095.	Patent No. 5177307.	_	Sequence 5, Applicatio	<u>,</u>	Sequence 11, Applicati	11,	Ļ	ω	ω,	ν,		, ⊤	1, App1	Sequence 16, Applicati	4, 1	97,			98,	92,	99,	Sequence 99, Applicati	
	7.61e-01		ν.	2	N	7	7.	7		7.61e-01			7.61e-01		2.53e+00		7.61e-01		7.61e-01	2.53e+00				7.61e-01	2.53e+00

ALIGNMENTS

5	88	88	l G	ဂ	88	3 6	3 6	8	င္ပ	င္ပ	င္ပ	ဂ	88	38	3 8	3 (3 6	3 6	3 8	3 6	C	ဂြ	ဥ	ဥ	ဌ	င္ပ	င္ပ	റ്റ	ය :	S	යි	ဂ	8	3	ဒေါ	Ħ	ם	ñ	Ħ	RESULT
SEQUENCE CHARACIERISTICS:	7	TELEFAX: (703)683-4109 TELEX: 899149		ION:	REFERENCE/DOCKET NUMBER: 30472/114 IMMU	REGISTRATION NIMBER: 20 768	Y/AGENT	26-AUG-19	NO		APPLICATION NUMBER: US/07/935,313	_	CLASSIFICATION: 435		APPLICATION NUMBER: US/08/232.463	TITOAUTON DAMA:	CREMITERS STOLET. FC DOC/MS DOS	CACHENO.	17	COMPUTER READABLE FORM:		ਅੱ	STATE: VA	lexandria	300 Diagor	ADDRESSEE: Foley & Lardner	ENCE ADDRESS	52	NVENTION: REC	FALKNER, F. G.	SCHEIFLI		GENERAL INFORMATION:		Sequence 14, Application US/08232463	cation			80-S	LT 1

```
င္ပ
                                                                                                                                                                                                                                                                                                                            င္ပ
                                                                                                                                                                                                                                                                                                                                             В
                                                                                                                                                                                                                                                                                                                                                          မှ
                                                                                                                                                                                                                                                                                                                                                                                         ф
                                                                                                                                                                                                                                                                                                                                                                                                        B
                                                                                                                                                                                                                                                                                                                                                                                                                       ç
                                                                                                                                                                                                                                                                                                                                                                                                                                       В
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Сþ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   នននិន្ននិង
                                                                                                                                                                                                                                                                 d
G
                                                                                                                                                                                                                                                                                밁
                                                                                                                                                                                                                                                                                                              밁
                                                                                                                                                                                                                                                                                                                                                                           밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     밁
                                                                                                                                                                                                                                         RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
                                                                                                                                                                                                                                                                                1424
                                                Sequence 14, Application Sequence 14, Application
                                                                                                                                                                                                                                  US-08-232-463-14 STANDARD; DNA; UNC; 7218
                                                                                                                                                                                                                                                                                                               1364
                                                                                                                                                                                                                                                                                                                                             1304
                                                                                                                                                                                                                                                                                                                                                                           1244
                                                                                                                                                                                                                                                                                                                                                                                                         1184
                                                                                                                                                                                                                                                                                                                                                                                                                                       CLONE: pTZ9pt-F1s
SEQUENCE 7218 BP; 1944 A; 1491 C; 1486 G; 1929 T; 368 OTHER.
                                                                                                                                                                                              Patent No.
                                                                                                                                                                                                                            XXXXX
                                                                                                                                                                                       GENERAL
                                                                                                                                                                                                                                                                 234 c 234
                                                                                                                                                                                                                                                                                                294
                                                                                                                                                                                                                                                                                                                                                            414
                                                                                                                                                                                                                                                                                                                                                                                           474
                                                                                                                                                                                                                                                                                                                                                                                                                         534
                                                                                                                                                                                                                                                                                                                                                                                                                                                      594
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity
                                                                                                                                                              APPLICANT:
APPLICANT:
APPLICANT:
                                     COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/232,463
        PRIOR APPLICATION DATA: APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           IMMEDIATE SOURCE:
CLONE: pTZgpt-
                                                                                                                                       CORRESPONDENCE ADDRESS
                                                                                                                                                        TITLE OF INVENTION:
                                                                                                                                                NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                           N
                                                                                                                                                                                                                                                                               Y 1424
                                                                                                                                                                                                                                                                                               cctttccttgctattttgcaacaagtccacaacagttgctcgtgtgtatttcctctgtct
                                                                                                                                                                                                                                                                                                                                                                                                        cataacgcatgttgttcactttacctatatagttttttatttcatacatgtaaggtacta
                                                                                                                                                                                                                                                                                                                                                                           gatttccttatctttaaagcccgacggaaacggccccaactagcatatcatgccgtgcat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                        CLASSIFICATION:
                                                                                                                                                                                                                                                                                                              gtcagtcattctttgtccttgtaattgaattcttttcaatccaatagtctgctagattta
                                                                                                                                                                                                                                                                                                                                                                                                                       gcgttcgagcccttcatatctgaccattttggaacatttagttattgtgttgctgccctc
                                                                                                                         STREET:
                               FILING DATE:
                                                                                                                                 ADDRESSEE:
                                                                                                                                                                                      INFORMATION:
                                                                                                                 Alexandria
                                                                                                           ٧A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative 219; Mismatches 139; Indels
                                                                                                                         1800 Diagonal Road,
                                                                                                                                                               DOKNER, SCHEIFLINGER, SCHEIFLINGER, S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               7218 base pairs
                                                                                                                                                              FALKNER, F
                                                                                                                                 Foley & Lardner
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2.98;
                         435
                                                                                                                                                        RECOMBINANT FOWLPOX VIRUS
                                                                                                                                                                                                    US/08232463
US/08232463
        us/07/935,313
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 83; I
Pred. No. 7.
                                                                                                                                                                       <u>দ্</u>য
                                                                                                                         Suite 500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            12e-42
                                                                                                                                                                                                                                   ВP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 7218
                                                      #
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                      535
                                                                                                                                                                                                                                                                                                                                                                                                                        475
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0
                                                                                                                                                                                                                    밁
                                                                                                                                                                                                                                                               Š
δõ
                                                                                                                                                                                      밁
                                                                                                                                                                                                    δÃ
                                                                                                                                                                                                                                 Ω<sub>V</sub>
                                                                                                                                                                                                                                                  밁
                                                                                                                                                                                                                                                                               밁
                                                                                                                                                                                                                                                                                              δÃ
                                                                                                                                                                                                                                                                                                             밁
                                                                                                                                                                                                                                                                                                                            δÃ
                                                                                                                                                                                                                                                                                                                                             밁
                                                                                                                                                                                                                                                                                                                                                          Š
                                                                                                                                                                                                                                                                                                                                                                          В
                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT
                                                                                                                                                                                                                                                                                                                                                                                           Matches
                                                                                                                                                                                                                                                                                                                                                                                                 Best
                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                     1360
                                                                                                                                                                                                                                  1300
                                                                                                                                                                                                                                                                                               1180
                                                                                                                                 XXXXXX
                                                                                                  Patent No.
                                                                                           GENERAL
                         APPLICANT: Kitamura, TITLE OF INVENTION: TITLE OF INVENTION:
             NUMBER OF SEQUENCES: 2
        ADDRESSEE:
```

```
TOPOLOGY: linear
IMMEDIATE SOURCE:
CLONE: PTZ9Pt-F1s
SEQUENCE 7218 BP; 1944 A; 1491 C; 1486 G; 1929 T; 368 OTHER
                                                                                                                  Sequence 22, Application Sequence 22, Application
                                                                                                                                                                                                                                                          1420 tatattctcgtgcca 1434
                                                                                                                                                                                                                                                                                            1426 YYYYYYYYYGTACCA 1440
                                                                                                                                                                                                                                                                                                                                                                                                                               1240 tgtggcagtcaaatgctttgtttttttggccgctcatgtgagtatcatttctgtgaaaac
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1186 אייייא אייייא אייייי אייייי אייייי אייייי אייייי אייייי אייייי אייייי
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1060 ttttgagcctcccaacagtcccccttcccctccccatattacgcgtcaagcattgttccc
                                                                                                                                                                                     US-08-388-672A-22 STANDARD; DNA; UNC; 965
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEX: 899149
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
LENGTH: 7218 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               REFERENCE/DOCKET NUMBER: 30
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
                                     APPLICANT:
                                                    APPLICANT:
                                                                    APPLICANT:
   APPLICANT:
                   APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELLERAX: (,, 199149
                                                                                                                                                                                                                                                                                                                            totaaaacctaaaccatgcacacatattcatctttctccaaacgcaagtctcgtgatatt
                                                                                                                                                                                                                                                                                                                                                             tatctaaatcaatatgaatgtatatttctttaagtcgtcacgataggaagactccatcgt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ggaggaaggcgggacgttggcactagcgctggctggagattatggccatcgcaatcagtt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   aatcgtcctctgcgcatgctggttccccacgtgtattttcctcgcgcgcagttctgttgga
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: BENT, Stephen A. REGISTRATION NUMBER: 29,768
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER:
                                                                                      INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
                 Carr, Frank J.
Old, Lloyd J.
Welt, Sydney
                                                 Wallace, T. Paul
Harris, William
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (703)683-4109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (703)836-9300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       26-AUG-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2.1%;
                                                                                                                      US/08388672A
US/08388672A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     EP 91
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         211;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 59;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pred.
                                                    ۲,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    30472/114
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     114
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mismatches 158;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         59; DB 2; I
No. 3.12e-24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     300.6
                                                                                                                                                                                         ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 7218
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1305
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1239
                                                                                                                                                                                                                                                                                                                               1419
                                                                                                                                                                                                                                                                                                                                                                                                                                                                1299
```

805 Third Avenue

Felfe and Lynch

Kitamura, Kunio

Recombinant Human Antibodies

Anti-Lewis

```
δÃ
                                                                                                                                                                                                                                                                                                 δõ
                                                                                                                                                                                                                                                                                                                   밁
                                                                                                                                                                                                                                                                                                                                                      Дb
                                                                                                                                                                                                                                                                                                                                                                                                          RESULT
                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local S
Matches 1
                                                                                                                                                                                                                                                                                                                                                                                                                                INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
LENGTH: 965 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown
                                                                                                                                                                                                                         Sequence 5, Application US/08238163
Sequence 5, Application US/08238163
                                                                                                                                                                                                         Patent No. 5569830 GENERAL INFORMATION:
                                                                                                                                                                                                                                                      XXXXXX
                                                                                                                                                                                                                                                             US-08-238-163-5
                                                                                                                                                                                                                                                                                               2773 tttcgggtatttcgggttcgggttcgggtattccaggtttgggtttc
                                                                                                                                                                                                                                                                                                                                  2714 acccgaaataatttcgggttttgcaagttgctacccgaaattc-ccaaacaaaattcggg 2772
                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE
                                                                                                                                                                                                                                                                                                                                             843 RSSVTAADTAVYYCVRGRSYDSDGGDYWGGTTVTVSSHUVKDMTSSSSASVGDRVTTCRS
                                                                                                                                                                                                                                                                                                                 903 STTHGNGNTYYWYKGKAKYRVSNRSGVSRSGSGSGTDYTTSSDATYY 949
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPUTIBLE
OPERATING SYSTEM: PC-DOS/MS-DI
SOFTWARE: PatentIn Release #1
CURRENT APPLICATION DATA:
                                                                                                                                                                            APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                              Match 1.4%;
Local Similarity 16.8%;
                          SOFTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA:
                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                          CORRESPONDENCE ADDRESS: ADDRESSEE: Townsend
                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE: DNA (genomic)
QUENCE 965 BP; 192 A; 170 C; 226
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ATTORNEY/AGENT INFORMATION:
                                                                                                                                                   TITLE OF INVENTION: PLANT INHIBITORS OF FUNGAL
TITLE OF INVENTION: POLYGALACTURONASES AND THEIR USE
                                                                                                                                                                      APPLICANT:
                                                                                                                                             NUMBER OF SEQUENCES:
                                                                                       STATE: C
                                                                                                         STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER:
FILING DATE: 14-FEI
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEPHONE: 212-838-3884
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Hanson, No. 5795961man D. REGISTRATION NUMBER: 30,946 REFERENCE/DOCKET NUMBER: LUD 54
APPLICATION NUMBER: FILING DATE: 03-MAY CLASSIFICATION: 800
                                                                                                                                                                                                                                                                                                                                                                                                                          STRANDEDNESS: unkr
TOPOLOGY: unknown
                                                                                ZIP:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           10022
                                                                                94105-1493
                                                                                                         San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New York
New York
                                                                                                California
                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                 E: Townsend and Townsend Khourie and Crew Steuart Street Tower, One Market Plaza
                                                                                                                                                                                    BENNETT, Alan
raravitch, John M.
                                                                                                                                                                       STOTZ, Henrik
                                                                                                                                                                             POWELL, Ann
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    U.S.A.
                                                                                                                                                                                                                                                             STANDARD; DNA; UNC;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         212-688-9200
          03-MAY-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      14-FEB-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PC-DOS/MS-DOS
                                                                                                                                             24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US/08/388,672A
                  US/08/238,163
                                                                                                                                                                                                                                                                                                                                                                     Score 39; DB 3; Pred. No. 1.83e-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LUD 5409
                                                                                                                                                                                                                                                                                                                                                                                                         G;
                                                                                                                                                                                                                                                              215
                                                                                                                                                                                                                                                                                                                                                                               DB 3; L
1.83e-10;
                                                                                                                                                                                                                                                                                                                                                                                                         200 T; 177 OTHER.
                                                                                                                                                                                                                                                              ВP
                                                                                                                                                                                                                                                                                                                                                                      32; Indels
                                                                                                                                                                                                                                                                                                                                                                                      Length 965
                                                                                                                                                     o.
                                                                                                                                                                                                                                                                                                                                                                      ;
                                                                                                                                                     CONTROL
                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                     902
                                                                                                                                                     FUNGAL
                                                                                                                                                     DISEASE
RESULT
ID US
AC x3
DT
                                                                                                                                                                                                                                                                                               δÃ
                                                                                                                                                                                                                                                                                                                                  δÃ
                                                                                                                                                                                                                                                                                                                                                    밁
                                                                                                                                                                                                                                                                                                                                                                    γQ
                                                                                                                                                                                                                                                                                                                                                                                       밁
                                                                                                                                                                                                                                                                                                                                                                                                       Ş
                                                                                                                                                                                                                                                                                                                                                                                                                         밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8888888888888888888888888888888888
                                                                                                                                                                                                                                                                                                                  밁
                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                                                                                                              1021 ag
                                                                                                                                                                                                                                  Sequence
                                                                                                                                                                                                                                                    XXXXXX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE 215
                                                                                                                                                                                                                 Patent No.
                                                                                                                                                                                                                         Sequence
                                                                                                                                                                                                        GENERAL
                                                                                                                                                                                                                                                                                                                189 VS
                                                                                                                                                                                                                                                                                                                                                    129
                                                                                                                                                                                                                                                                                                                                                                                       70
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE:
                                                                                                                                                                      APPLICANT:
CLASSIFICATION:
                                                                             COUNTRY: US
ZIP: 94105-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEPHONE:
```

```
US-08-238-163-5 STANDARD; DNA; UNC;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  961 aatatgtggatagtattccgattcatttcgccagaggtgtggctgtggatatttggttag 1020
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        843 catgataggtttaataaaatatataaaatcttatatttttagtaagtctagtcaaactta 902
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               10 SVVSRTASCNDKAKKDGNTTSSWTTDCCNRTWGVCDTDTTYRVNNDSGHNKYSSANYNYG 69
                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOTTWARE: Patentin Release #1.0, Version
                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: PLANT INHIBITORS OF FUNGAL TITLE OF INVENTION: POLYGALACTURONASES AND THE: NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
                 CURRENT APPLICATION DATA: US
                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: BENNETT, Alan
APPLICANT: LABAVITCH, Joi
APPLICANT: POWELL, Ann
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE CHARACTERISTICS:
LENGTH: 215 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                      STREET: Steuart Street Tower, One Market Plaza CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SRNRTGKTANNAVDSRNMGDASVGSDKNTKKHAKNSADGKVGSKNNGDRNNRYGTGTKSN 188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      agagettttgatgtegeacatagttgttttaaacaaggtgtttgtte-atgttegtt-ct
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GNNVGAAKT-HYYTHTNVSGADSKTVTDSYNASGTSSSNGGTDGNRSGADSYGSSKTAMT 128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LOCATION: 1..215
OTHER INFORMATION: /standard_name= "Deduced aminother information sequence of PGIP from bean."
ENCE 215 BP; 15 A; 8 C; 25 G; 26 T; 141 OTHER.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1.1%;
Similarity 17.0%;
31; Conservation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            5, Application US/08238163 5, Application US/08238163
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION:
                                                                                                                                                                 94105-1493
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Bastian,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (415) 543-96
(415) 543-5043
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              protein
03-MAY-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Kevin L.
                                                                                                                                                                                                                                                                                                                                                                                 Henrik
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      543-9600
                                                                                                                                                                                                                                                                                                                                                                                                                             John M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /standard_name= "Deduced amino acid
                   US/08/238,163
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               34,774
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Pred.
70; N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 30; DB 1; I
Pred. No. 8.22e-05;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            <u>ა</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2307E-540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              78;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 215;
                                                                                                                                                                                                                                                                                                                                         THEIR USE TO CONTROL FUNGAL DISEA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ψ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          960
```

```
ç
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ဌ
                                                                                                                                                                                                                                                                                                                                                                                                                                                            ဌ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  망
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              밁
                                                                                                                                                                                                                                                                                                                                                                                                                                         밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                                                                                                                                                                  2189
                                                                                                                                                                                                                                                                                                                         Sequence 22, Application Sequence 22, Application
                                                                                                                                                                                                                                                                                                                                                            XXXXX
                                                                                                                                                                                                                                                                                                                                                                       US-08-388-672A-22 STANDARD; DNA; UNC;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            2248 ggttgcgtcacggcagggaaggga-ggaagggcgggggaaggaggcaattgtacgcgacca 2190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2308 agaactactgatacggttcggctagggagaatacattgtacacgatggtgagcgcagtgt 2249
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE
                                                                                                                                                                                                                                                                                                                  Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: (415) 543-504
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  133 TGKTANNAVDSRNMGDASVGSDKNTKKHAKNSADGKVGSKNNGDRNNRYGTGTKSNVSNN
                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                       193 CGGGNKRDVS 202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Match 1.18;
Local Similarity 14.68;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           73 VGAAKTHYYTHTNVSGADSKTVTDSYNASGTSSSNGGTDGNRSGADSYGSSKTAMTSRNR 132
                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIAN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/388,672A
FILING DATE: 14-FEB-1995
 ATTORNEY/AGENT INFORMATION: NAME: Hanson, No. 579596
                                                                                                                                                                                                              TITLE OF INVENTION: Recombinan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REFERENCE/DOCKET NUMBER: 23
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                         APPLICANT:
                                                                                                                                                                                                                                                                                APPLICANT:
                                                                                                                                                                                                                                                                                          APPLICANT:
                                                                                                                                                                                                    NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                     APPLICANT:
                                                                                                                                                                                                                                                                     APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
                      CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                               cgcatggcgc 2180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OTHER INFORMATION:
OTHER INFORMATION:
ENCE 215 BP; 15 A; 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        REGISTRATION NUMBER:
                                                                                                                         ZIP: 10022
                                                                                                                                   COUNTRY:
                                                                                                                                               STATE:
                                                                                                                                                          CITY:
                                                                                                                                                                              ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   19;
                                                                                                                                                                                                                                                                                                                  2, Application 5795961
                                                                                                                                                         New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                nucleic acid
                                                                                                                                   New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                  805 Third Avenue
                                                                                                                                                                                                                                                     Carr, Frank o
                                                                                                                                                                                                                                                                               Wallace, T. Paul
Harris, William J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (415)
                                                                                                                                                                                                                                  Kitamura, Kunio
                                                                                                                                                                                                                                               Welt, Sydney
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               misc_feature
1..215
                                                                                                                                                                              Felfe and Lynch
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (415) 543-9600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                543-5043
) ID NO: 5:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Kevin
                                                                                                                                                                                                                          Recombinant Human Anti-Lewis
                                                                                                                                                                                                                                                                                            T. Paul
5795961man
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /standard_name= "Deduced amino acid
sequence of PGIP from bean."
C; 25 G; 26 T; 141 OTHER.
                                                                                                                                                                                                                                                                                                                           US/08388672A
US/08388672A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      34,774
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   55;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 31; DB 1;
Pred. No. 2.05e-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2307E-540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
                                                                                                                                                                                                                                                                                                                                                                       965
                                                                                                                                                                                                                                                                                                                                                                       ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   55;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  192
```

```
ဌ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ဌ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                片
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ç
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
Thes 23; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 100, Application PC/TUS9511934 Sequence 100, Application PC/TUS9511934 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: DNA (genomic) SEQUENCE 965 BP; 192 A; 170 C; 226 G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             XXXXXX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2234 agggaaggg-aggaaggg-cggggaaggaggcaattgta-cgcgaccacgcatggcgctt 2178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2294 ggttcggctagggagaatacattgtacacgatggtgagcgcagtgtggttgcgtcacggc 2235
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PCT-US95-11934-100 STANDARD; DNA; UNC;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                941 TTSSDATYYCGTHARTGGTKVKGUR 965
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             821 GGYTNYNGKRGRVTMADTSSNSRSSVTAADTAVYYCVRGRSYDSDGGDYWGGTTVTVSSH 880
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS:
LENGTH: 965 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: 212-838-3884
INFORMATION FOR SEQ ID NO:
                                                                      INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                  MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0.
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REGISTRATION NUMBER: 30,946
REFERENCE/DOCKET NUMBER: LU
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-688-9200
                                              SEQUENCE CHARACTERISTICS:
LENGTH: 74 base pairs
                                                                                                                                                                   CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                          TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
                                                                                                                    TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT:
                                                                      TELEFAX: (212)
TELEFAX: (212)
TELEFAX: 66141 PENNIE
TELEX: 66141 PENNIE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEPHONE: 212-00-884
                     STRANDEDNESS: single
                                                                                             TELEPHONE: (212)
                                                                                                                                                                                             FILING DATE:
                                                                                                                                                                                                                                                                                            COUNTRY: UZIP: 10036
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        tgcggcatttgtcggtggagctttg 2153
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              UVKDMTSSSSASVGDRVTTCRSSTTHGNGNTYYWYKGKAKYRVSNRSGVSRSGSGSGTDY 940
TOPOLOGY: 1
LECULE TYPE:
                                TYPE: nucleic acid
                                                                                                                                  REGISTRATION NUMBER: 18, REFERENCE/DOCKET NUMBER:
                                                                                                                                                          NAME: Misrock, S. Leslie
                                                                                                                                                                                                         APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                New York
                                                                                                                                                                                                                                                                                                                  New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                          3: Pennie & Edmonds
1155 Avenue of the Americas
                                                                                                                                                                                                                                                                                                        USA
                                                                                                                                                                                                                                                                                                                                                                                                                  Cytogen Corporation
           linear
                                                                                                         (212)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1.18; 9
                                                                                                                                                                                             20-SEP-1995
                                                                                             869-9741/8864
                                                                                                           790-9090
                                                                                                                                                                                                                                                                                                                                                                            Antigen Binding P
Peptide Libraries
103
                                                                                                                                                                                                                               Release #1.0, Version #1.
                                                                                                                                                                                                         PCT/US95/11934
                                                                                                                                            18,872
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 32;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 30,946
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     70;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         22:
                                                                                                                                   1101-196-228
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LUD 5409
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     200 T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .04e-06
                                                                                                                                                                                                                                                                                                                                                                                                     Peptides (Abtides) From
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     177 OTHER.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     49;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 965,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ψ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
```

```
Cp 5
                                                                                                                                                    СЪ
                                                 밁
                                                                   Сþ
                                                                                        밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ဌ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            So
RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local :
                                                                                                            Matches
                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence
Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PCT-US95-11934-98 STANDARD; DNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   XXXXXX
                                                                                                                                                                                                              INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         equence 98, Applicat equence 98, Applicat GENERAL INFORMATION:
                             654
                                                                    714
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     654 tagttagca 646
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           714 ctagacaaaagaatgttggctcagtcggtgcaacaaaaaatagaaacaaaattaaccttc 655
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  61 NNVNNACCA 69
                                              68 NNVNNACCA 76
                                                                                                          Match 0.9%;
Local Similarity 11.6%;
les 8; Conservative
                                                                                        œ
                                                                                                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION:
NAME: Misrock, S. Leslie
REGISTRATION NUMBER: 18,1
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/886
                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
                                                                                                                                                  TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
UENCE 81 BP; 6 A; 6 C; 4 G; 5
                                                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: Antigen Binding Peptides (Abtides) From TITLE OF INVENTION: Peptide Libraries NUMBER OF SEQUENCES: 103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT:
                            tagttagca 646
                                                                  ctagacaaaagaatgttggctcagtcggtgcaacaaaaaatagaaacaaaattaaccttc
                                                                                      COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Release #1.0
                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY: U
ZIP: 10036
                                                                                                                                                                                 STRANDEDNESS:
                                                                                                                                                                                                                                   TELEX:
                                                                                                                                                                                                                                                                                                                   CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: FILING DATE: 20-SEI
                                                                                                                                                                                                                                                                                                                                                                                         MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE:
                                                                                                                                                                                                      LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Similarity 11.6%; 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            74
                                                                                                                                                                                        H: 81 base pairs nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                           New York
                                                                                                                                                                                                                                   66141 PENNIE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ВP;
                                                                                                                                                                                                                                                                                                                                                                                                                                  New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Application PC/TUS9511934
Application PC/TUS9511934
                                                                                                                                                                                                                                                                                                                                                                                                                       USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                      1155 Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Cytogen Corporation
                                                                                                                                                                                                                                                                                                                                                         PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            σ
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Pennie &
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A
                                                                                                                                                                                                                                                                                                                                                                                        Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.9%;
                                                                                                                                                                                                                                                                                                                             20-SEP-1995
                                                                                                                                                                               single
                                                                                                                                                                                                                                            2) 790-9090
869-9741/8864
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            σ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ç
                                                                                                                                                                                                                                                                                                                                                                                                                                                      of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Н
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Edmonds
                                                                                                                                                                                                                                                                                                                                       PCT/US95/11934
                                                                                                                                                                                                                                                                                    18,872
                                                                                                          Score 25;
Pred. No.
19; Misma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 25;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           G; 1 T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pred.
19; м
                                                                                                                                                                                                                                                                                                                                                                                                                                                      the Americas
                                                                                                                                                                                                                                                                           1101-196-228
                                                                                                           Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           UNC;
                                                                                                                                                   T; 60 OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            60
                                                                                                                    DB 4; Le 6.30e-02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 4; L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            81
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OTHER.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    42;
                                                                                                           42;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 74;
                                                                                                                             Length 81;
                                                                                                           Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                           0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0,
                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                    655
                                                                                                          0,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0
```

```
δã
                                                                                                                                                                                                                                                                                                 뭥
                                                                                                                                                                                                                                                        Matches
                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                        INTERPRETARY: (415) 576-0300
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 90 base rate
Type:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence
Sequence
                                                                                                                     Sequence 13, Application Sequence 13, Application Patent No. 5451670
                                                                                                                                                               XXXXXX
                                                                                                                                                                       T 10
US-07-865-662F-13
                                                                                                                                                                                                                                                                                                SEQUENCE 90 BP; 12 A; 16 C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-442-461D-30 STANDARD; DNA; UNC;
                                                                                                           GENERAL INFORMATION:
                                                                                                                                                                                                                 281
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
                                                                                                                                                                                                                                  13 ATGGCCMRTMRTMRTMRTMRTMRTMRTMRTMRTMRTMRTMR 56
                                                                                                                                                                                                                                                                   Local
                                                          NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
                                                                              APPLICANT: Marcia M. Miller TITLE OF INVENTION: Restrict TITLE OF INVENTION: Polymorp
                                                                                                                                                                                                                                                                                                                                                                                        REFERENCE/DOCKET NUMBER: 02
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                           MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                           ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                               atagcaaggaaaggtattagtaatagcaagcataattgtaggag
                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US/0 FILING DATE: 17-MAY-1995 CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor CITY: San Francisco
                                       STREET:
                                                                                                                                                                                                                                                                                                                                     TYPE: nucleic acid
          COUNTRY:
                      STATE:
                                                                                                                                                                                                                                                                                                                           STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: Liebeschuetz, Joe REGISTRATION NUMBER: 37
                                                 ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY: USA
                                                                                                                                                                                                                                                                  0.9%;
Similarity 25.0%;
                                                                                                                                                                                                                                                        11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     30,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                94111-3834
RY: United 91010-0269
                    California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   California
                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Application US/08442461D
Application US/08442461D
                                     1500 East Duarte Road
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Martin,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Harada,
                                                                                                                                                                                                                                                                                                                 linear
                                                 City of
                                                                                                                                                                       STANDARD;
                                                                                                                                                                                                                                                                                                           DNA
                                                                                                                                                                                                                                                                                                                                                                               576-0300
          States
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Shelley S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Kazuo
                                                                            Restriction Fragment Length Polymorphism Test For Haplotyping Domesticated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Peptides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Alan
                                                Норе
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       In Vivo Selection of RNA-Binding
                                                                                                                                US/07865662F
US/07865662F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US/08/442,461D
                                                                                                                                                                                                                                                                                                                                                                                                                       37,505
                                                                                                                                                                       DNA;
                                                                                                                                                                                                                                                       Pred. 23; }
                                                                                                                                                                                                                                                                          Score
                                                                                                                                                                                                                                                                                                14 G;
          of America
                                                                                                                                                                                                                                                                                                                                                                                                              02307U-060500US
                                                                                                                                                                       UNC;
                                                                                                                                                                                                                                                       Mismatches
                                                                                                                                                                                                                                                                  24; I
No. 2.
                                                                                                                                                                                                                                                                                              20 T; 28 OTHER.
                                                                                                                                                                       105
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            90
                                                                                                                                                                                                                                                                           DB 3;
                                                                                                                                                                                                                                                                 22e-01
                                                                                                                                                                       ВP
                                                                                                                                                                                                                                                       10; Indels
                                                                                                                                                                                                                                                                          Length 90;
                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                      Gaps
```

Fow]

```
THE SECOND SECON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            g,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ဌ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: DNA
ORIGINAL SOURCE: Synthetically Prepared
IMMEDIATE SOURCE: Synthetically Prepared
SEQUENCE 105 BP; 15 A; 0 C; 8 G; 1 T; 81 OTHER.
                                                                                                                                                                                                                                                                                                                                                                           Sequence 2, Application US/08672514
Sequence 2, Application US/08672514
Patent No. 5686248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2244 gcgtcacggcagggaagggaagggcgggggaaggaaggcaattgtacgcgaccacgcat 2185
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 07 April, 1992

CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/688,326

FILING DATE: 22 April 1991

APPLICATION NUMBER: 07/588,922

FILING DATE: 27 September 1990

APPLICATION NUMBER: 07/210,405

FILING DATE: 23 June 1988

APPLICATION NUMBER: US 07/130,529

FILING DATE: 3 June 1987

APPLICATION NUMBER: US 07/068,176

FILING DATE: 30 June 1987

APPLICATION NUMBER: US 07/068,176

FILING DATE: 30 June 1987

APPLICATION NUMBER: US 07/068,176

FILING DATE: 30 June 1987

APPLICATION NUMBER: US 07/068,176

FILING DATE: 30 JUNE 1987

APPLICATION NUMBER: US 07/068,176

FILING DATE: 30 JUNE 1987

APPLICATION NUMBER: US 07/068,176

FILING DATE: 30 JUNE 1987

APPLICATION NUMBER: US 07/068,176

REGISTRATION NUMBER: 16,541

REFERENCE/DOCKET NUMBER: NO. 5451

TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           XXXXXX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-672-514-2 STANDARD; DNA; UNC;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: (202) 783-603
TELEX: NO. 5451670e
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 64 NRNAAKNNNSGVADNKNNASNNYD 87
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4 KVGNNAKNSNNNKSNNAVKNGNNAKNSGKNKSANAVNNGNNAKNSNNNKSNNMGTRDNKN
COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                       APPLICANT: BURNIE Mr., James P. APPLICANT: MATTHEWS Ms., Ruth CTITLE OF INVENTION: FUNGAL STR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: 3M Double Density 5 1/4" diskette
COMPUTER: Wang PC
                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                           NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ggcgctttgcggcatttgtcggtg 2161
                                                       ZIP: 20005-3918
                                                                                                          CITY: Washington
STATE: DC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OPERATING SYSTEM:
                                                                                 COUNTRY:
                                                                                                                                                            ADDRESSEE: Cushman, Darby & Cushman STREET: 1100 New York Avenue, N.W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ,.
α
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Nucleic Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 105
                                                                                      USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Microsoft
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (202) 783-604.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  UMBER: US 07/130,529
9 December 1987
UMBER: US 07/068,176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  783-6040
                                                                                                                                                                                                                                                                       FUNGAL STRESS PROTEINS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MS DOS Version 3.20
                                                                                                                                                                                                                                                10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US/07/865,662F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              28;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 24; DB 1;
Pred. No. 2.22e-01
                                                                                                                                                                                                                                                                                                     Ruth C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mismatches 48;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 105
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0
```

```
ç
                                                                                                                                                                                                                                                                                                                                                                                                                      밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local S
Matches 1
                                                                                                                                                                                                                                                                                             Sequence 2, Application US/08357264 Sequence 2, Application US/08357264 Patent No. 5541077
                                                                                                                                                                                                                                                                                                                                                                                              1035 tttcttgaagatgctctaaccaaatatccacagccacacc
                                                                                                                                                                                                                                                                                                                                          XXXXXX
                                                                                                                                                                                                                                                                                                                                                  US-08-357-264-2 STANDARD; DNA; UNC; 1200 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE: DNA (genomic) SEQUENCE 1200 BP; 406 A; 224 C;
                                                                                                                                                                                                                                                                                  Patent No. 5541077
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                     315 TTTCTCCAAGAACAYCAAAYYHHHYAYYCAYHAAHAYHCY 354
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEX: 6714627 CUSH
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                          0.9%;
Local Similarity 42.5%;
nes 17; Conservative
                                                                                                                                 ZIP: 20005-3918
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                  CORRESPONDENCE ADDRESS:
ADDRESSEE: Cushman, Darby & Cushman
STREET: 1100 New York Avenue, N.W.
                     CLASSIFICATION: 435
PRIOR APPLICATION NUMBER: US 0
FILING DATE: 16-NOV-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY: 1: MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELECOMMUNICATION INFORMATION: TELEPHONE: 202-861-3000 TELEFAX: 202-822-0944
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: 14-MAR-1991 ATTORNEY/AGENT INFORMATION: NAME: KOKULIS, Paul N.
                                                                                                                                                                                                                                       TITLE OF INVENTION: FUNGAL STRESS PROTEINS NUMBER OF SEQUENCES: 10
                                                                                                                                                                                                                                                            APPLICANT: BURNIE Mr., James P. APPLICANT: MATTHEWS Ms., Ruth C
                                                                                        CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION DATA:
                                                                                               COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
                                                                                                                                                                                        STREET: 1100 New CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER: IBM PC OPERATING SYSTEM: SOFTWARE: Patentl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: 08/1 FILING DATE: 16-NOV-1993 APPLICATION NUMBER: US 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: FILING DATE: 28-JUN
          APPLICATION NUMBER:
                                                                   APPLICATION NUMBER: FILING DATE:
                                                                                                                                                                    COUNTRY:
                                                                                                                                                                                STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: KOKULIS, Paul N
REGISTRATION NUMBER: :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ENGTH:
                                                                                                                                                          20005-3918
                                                                                                                                                                                뮍
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1200 base pairs
                                                                                                                                                                      USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PatentIn
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        IBM PC compatible SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      14-MAR-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           16-NOV-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         UMBER: US/08/672,514
28-JUN-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     single
MBER: US 663897
14-MAR-1991
                                 US 08/152669
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US 663897
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US 08/152669
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Release #1.0, Version
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            08/152,669
                                                                             US/08/357,264
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    16773
                                                                                                                                                                                                                                                                                                                                                                                                                                           Pred.
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   <u>ب</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PNK/5544/202253/DJP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      230 G; 323
                                                                                                                                                                                                                                                                                                                                                                                                                                           Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                   ŏ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                     .22e-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       T; 17 OTHER.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 1200
                                                                                                                                                                                                                                                                                                                                                                                                 996
                                                                                                                                                                                                                                                                                                                                                                                                                                           8,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                            0;
                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
```

```
çp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      288888888888888888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local
            Query Match
Best Local:
  Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 2, Application US/08676974 Sequence 2, Application US/08676974 Patent No. 5770422
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-676-974-2 STANDARD; DNA; UNC;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1035 tttcttgaagatgctctaaccaaatatccacagccacacc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE
                                            SEQUENCE
                                                                                                                    TELEFAX: (415)343-434
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     315 TTTCTCCAAGAACAYCAAAYYHHYAYYCAYHAAHAYHCY 354
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEX: 6714627 CUSH
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.9%;
Local Similarity 42.5%;
Local Similarity 42.5%;
les 17; Conservative
           Local Similarity 33.6%;
                                      TOPOLOGY: linear
MOLECULE TYPE: CDNA
QUENCE 2277 BP; 511 A; 212 C; 395 G;
                                                                                                                                                                        ATTORNEY/AGENT INFORMATION:
NAME: Osman Ph.D., Richard A
REGISTRATION NUMBER: 36,627
                                                                                                                                                                                                                                          COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                                                         REFERENCE/DOCKET NUMBER: UC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415)343-4341
                                                                                                                                                                                                                                                                                               ZIP: 94104
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-861-3000
TELEFAX: 202-822-0944
                                                                                               SEQUENCE CHARACTERISTICS:
LENGTH: 2277 base pairs
                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: COLLINS, KATHLEEN
TITLE OF INVENTION: Human Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                         APPLICATION NUMBER: FILING DATE: CLASSIFICATION: 530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                     COUNTRY:
                                                                                                                                                                                                                                                                                                                                                     STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY:
                                                                         STRANDEDNESS:
                                                                                                                                                                                                                                                                                     MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                  STATE:
                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REGISTRATION NUMBER:
  36;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ULE TYPE: DNA (genomic)
1200 BP; 406 A; 224 C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              nucleic acid
                                                                                                                                                                                                                                                                                                                                            San Francisco
                                                                                    nucleic acid
                                                                                                                                                                                                                                                                                                                                  CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           KOKULIS,
  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1200 base pairs
                                                                                                                                                                                                                                                                                                                                                     3: Science & Technology Law Group
268 Bush Street, Suite 3200
                                                                                                                                                                                                                                                                                                                      USA
                                                                                                                               (415)343-4342
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           linear
                                                                                                                                                                                                                                                                                      Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    single
                                                                            double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Paul N
                      0.98;
                                                                                                                                                                                                                                                     Release #1.0,
                                                                                                                                                                                                                                 US/08/676,974
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               16773
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 24;
Pred. No. 1
15; Mismat
Score 24; DB 3; Pred. No. 2.22e-01; 23; Mismatches 48
                                                                                                                      2:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PNK/5544/202253/DJP
                                                                                                                                                                 UCB96-055
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     230 G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2277 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 1; L. 2.22e-01; 8;
                                                                                                                                                                                                                                                     Version
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     323 T; 17
                                           216 T; 943 OTHER.
  48;
                    Length 2277;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 1200;
                                                                                                                                                                                                                                                      #1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OTHER
  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0
 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
 Gaps
 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0;
```

```
ç
                                                                                                                                                                                                                                                                                                  밁
                                                                                                                                                                                                                                                                                                                                                 Сþ
                                                                                                                                                                                                                                                                                                                                                                                                  밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ç
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              밁
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Сþ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               밁
                                                                                                                                                                       RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2113
                    Sequence 145, Application Sequence 145, Application Patent No. 5625033
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Patent No. 5747317
GENERAL INFORMATION:
                                                                                                                        XXXXXX
                                                                                                                                             US-08-471-052A-145 STANDARD; DNA;
                                                                                                                                                                                                                                                                                            2173 AARACNGARACNMGNTTYAAYCARYTNGTNGARCARTAYAARCARAA 2219
                                                                                                                                                                                                                                                                                                                                                                                                2113 AARCARGARAARCARCARYINWSNWSNGARCARGINWSNMGNAARAARGCNAARGGNAAY 2172
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE 2277 BP; 511 A; 212 C; 395 G; 216 T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 2,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 XXXXXX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-08-676-967-2 STANDARD; DNA; UNC;
                                                                                                                                                                                                                                                710
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: (415)343-4342
INFORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
LENGTH: 2277 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                 770
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               710
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Match 0.9%;
Local Similarity 33.6%;
Local Similarity 34.6%;
Local Similarity 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              REFERENCE/DOCKET NUMBER: UC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415)343-4341
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ATTORNEY/AGENT INFORMATION:
NAME: Osman Ph.D., Richard A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOCTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AARACNGARACNMGNTTYAAYCARYTNGTNGARCARTAYAARCARAA
                                                                                                                                                                                                                                             acaaaagaatgttggctcagtcggtgcaacaaaaaatagaaacaaaa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRANDEDNESS: do TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STREET: 268 Bush St:
CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          acaaaagaatgttggctcagtcggtgcaacaaaaaatagaaacaaaa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          aaaatggagatatagtactttttagacgaagagtagtaactaaaatgtaaactactag
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AARCARGARAARCARCARYTNWSNWSNGARCARGTNWSNMGNAARAARGCNAARGGNAAY
                                                                                                                                                                                                                                                                                                                                              aaaatggagatatagtactttttagacgaagagagtagtaactaaaatgtaaactactag 711
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER:
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2, Application 2, Application 2, Application 5747317
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    94104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ç
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               E: Science & Technology Law Group 268 Bush Street, Suite 3200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COLLINS, KATHLEEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human Telomerase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US/08676967
US/08676967
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US/08/676,967
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       36,627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2:
                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 24; DB 2; Length 2277
Pred. No. 2.22e-01;
23; Mismatches 48; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     UCB96-055
                                                                                                                                               UNC;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2277
                                                                                                                                               65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ВP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       943 OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 2277;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               664
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2219
                                                                                                                                                                                                                                                664
                                                                                                                                                                                                                                                                                                                                                                                                                                                    0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2172
```

0,

```
APPLICANT: Kay, B. K.
APPLICANT: Fowlkes, D. M.
TITLE OF INVENTION: Totally Synthetic Affinity Reagents
NUMBER OF SEQUENCES: 166
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
COUNTRY: U.S.A.
ZIP: 10036-7711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/471,052A
FILING DATE: 06-JUNE-1995
CLASSIFICATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 1101-179
TELECOMMUNICATION INFORMATION:
NAME: Misrock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 1101-179
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212 790-9990
C TELEFAX: 212 869-8864/9741
C TELEFX: 66141 PENNIE
C INFORMATION FOR SEQ ID NO: 145:
SEQUENCE CHARACTERISTICS:
LENGTH: 65 bases
TYPE: nucleate acid
STRANDEDNESS: single
C MOLECULE TYPE: DUNA
SQ SEQUENCE 65 BP; 3 A; 3 C; 3 G; 2 T; 54 OTHER.
                                                                                                Query Match 0.8%;
Best Local Similarity 6.9%;
Matches 4; Conservative
1173 agaactgcgcgcgaggaaaatacacgtgggaaccagcatgcgcagaggacgattggga 1116
                             Score 22; DB 1; Length 65; Pred. No. 2.53e+00; 18; Mismatches 36; Indels
                                                                                                  0
                                                                                                Gaps
                                                                                                  0
```

Search completed: Tue Dec 28 21:02:50 1999 Job time: 474 secs.

ç В